Title (en)
SYSTEM AND METHOD FOR SELECTING OPTIMUM LOCAL OSCILLATOR DISCIPLINE SOURCE

Title (de)
SYSTEM UND VERFAHREN ZUR AUSWAHL EINER OPTIMALEN LOKALEN OSZILLATORTRAININGSQUELLE

Title (fr)
SYSTÈME ET MÉTHODE DE SÉLECTION D'UNE SOURCE OPTIMALE DE CORRECTION D'UN OSCILLATEUR LOCAL

Publication
EP 2443749 A4 20140101 (EN)

Application
EP 10788537 A 20100603

Priority
- CA 2010000828 W 20100603
- US 48793309 A 20090619

Abstract (en)
[origin: US2010321118A1] A device is provided having a local oscillator (LO) configured to generate a first signal having timing information, frequency information, phase information or combinations thereof. The device also includes a prioritizer comprising at least two inputs, each input configured to receive a respective second signal having timing information, frequency information, phase information or combinations thereof. The prioritizer is configured to determine an accuracy of at least one second signal of the at least two second signals in relation to a second signal assigned to be a most accurate of the at least two second signals. The prioritizer is also configured to order the at least two second signals from most accurate to least accurate. The LO is disciplined to correct an offset error of the LO relative to a most accurate second signal that is available to the device, based on the order of the at least two second signals.

IPC 8 full level
H03L 7/24 (2006.01); **H03L 7/087** (2006.01); **H04L 7/027** (2006.01); **H04W 56/00** (2009.01)

CPC (source: EP KR US)
G06F 1/14 (2013.01 - EP US); **H03L 7/00** (2013.01 - EP US); **H03L 7/087** (2013.01 - EP US); **H03L 7/24** (2013.01 - KR); **H04L 7/027** (2013.01 - KR); **H04W 56/00** (2013.01 - KR)

Citation (search report)
- [XI] US 6633621 B1 20031014 - BISHOP DANIEL ERIC [US], et al
- [XI] EP 0792037 A1 19970827 - HEWLETT PACKARD CO [US]
- [A] US 5615177 A 19970325 - YAHATA HARUKI [JP]
- See references of WO 2010144996A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
US 2010321118 A1 20101223; **US 8120432 B2 20120221**; BR 112012000566 A2 20171031; BR 112012000566 B1 20200721; CA 2765707 A1 20101223; CA 2765707 C 20171024; CN 102687401 A 20120919; CN 102687401 B 20150722; EP 2443749 A1 20120425; EP 2443749 A4 20140101; EP 2443749 B1 20190313; HK 1176472 A1 20130726; JP 2012530411 A 20121129; JP 5624613 B2 20141112; KR 101699996 B1 20170126; KR 20120036986 A 20120418; RU 2011153501 A 20130727; RU 2529849 C2 20141010; US 2012133443 A1 20120531; US 8576014 B2 20131105; WO 2010144996 A1 20101223

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